

WE CLAIM:

1. A method of providing redundancy parameters for an automatic repeat request processing at a terminal device, said method comprising the steps of:

providing a set of predetermined sequences of redundancy parameters;

selecting at least one of said set of predetermined sequences; and

transmitting strategy information indicating the selected at least one sequence to said terminal device.

2. The method according to claim 1, further comprising the step of:

providing said strategy information comprising at least one of an index and a pointer to said selected at least one predetermined sequence.

3. The method according to claim 1, wherein said transmitting step is performed by using a higher layer signaling.

4. The method according to claim 3, wherein, in said transmitting step, said higher layer signaling comprises Radio Resource Control signaling.

5. The method according to claim 3, further comprising the step of:

using an outband signaling for notifying about redundancy parameters used from said selected at least one sequence.

6. The method according to claim 5, wherein, in said using step, the amount of said outband signaling is made dependent from said selected at least one sequence.

7. The method according to claim 1, wherein said transmitting step is performed at a beginning of a connection.

8. The method according to claim 1, wherein, in said providing step, said set of predetermined sequences comprises a predefined fixed set.

9. The method according to claim 1, wherein, in said providing step, said redundancy parameters comprise a first parameter defining a self-decodable redundancy version and a second parameter defining bits which are to be punctured.

10. The method according to claim 1, wherein, in said providing step, said set of predetermined sequences comprise sequences relating to at least one of a chase combining strategy, a partial incremental redundancy strategy, and a full incremental redundancy strategy.

11. The method according to claim 1, wherein, in said transmitting step, said strategy information comprises said sequence of redundancy parameters.

12. The method according to claim 1, wherein said transmission step is performed by broadcasting said strategy information to substantially all terminal devices located within a predetermined area.

13. The method according to claim 12, wherein said transmission step is performed by broadcasting said strategy information to all terminal devices located within a predetermined area.

14. The method according to claim 1, wherein said transmitting step is performed via a wireless communication link.

15. The method according to claim 1, further comprising the step of:
performing said automatic repeat request processing for a data transmission on an enhanced uplink dedicated channel.

16. A terminal device for applying a redundancy strategy to an automatic repeat request function, said terminal device comprising:

receiving means for receiving a strategy information indicating a selected sequence of redundancy parameters; and

parameter generating means, operably connected to said receiving means, for generating said selected sequence of redundancy parameters for said automatic repeat request function in response to receipt of said strategy information.

17. The terminal device according to claim 16, further comprising a mobile terminal of a cellular communication network, operably connected to said receiving means.

18. The terminal device according to claim 16, wherein said receiving means is configured to receive said strategy information via Radio Resource Control signaling.

19. The terminal device according to claim 16, wherein said terminal device is configured to notify about redundancy parameters used from said selected at least one sequence by using an outband signaling.

20. The terminal device according to claim 19, wherein said terminal device is configured to set an amount of said outband signaling in response to said received strategy information.

21. The terminal device according to claim 16, wherein said parameter generating means is configured to generate a first parameter defining a self-decodable redundancy version and a second parameter defining bits which are to be punctured.

22. The terminal device according to claim 16, further comprising

storing means, operably connected to said receiving means, for storing a set of sequences of redundancy parameters and wherein said strategy information comprises at least one of a pointer and an index to said stored set of sequences.

23. A network device for providing a communication link to a terminal device, said network device comprising:

selecting means for selecting a sequence of redundancy parameters;

generating means, operably connected to said selecting means, for generating a strategy information indicating said selected sequence; and

transmitting means, operably connected to said selecting means, for transmitting said strategy information to said terminal device.

24. The network device according to claim 23, further comprising receiving means, operably connected to said selecting means, for receiving a notification about used redundancy parameters via an outband signaling channel.

25. The network device according to claim 23, wherein said transmitting means is configured to transmit said strategy information in a broadband channel covering a predetermined area.

26. The network device according to claim 23, further comprising storing means, operably connected to said selecting means, for storing a set of sequences of said redundancy parameters.

27. The network device according to claim 23, wherein said network device comprises at least one of a base station device and a radio network controller device.

28. A system for providing redundancy parameters for an automatic

repeat request processing at a terminal device, said system comprising:

a terminal device configured for applying a redundancy strategy to an automatic repeat request function, said terminal device comprising;

a receiver configured for receiving a strategy information indicating a selected sequence of redundancy parameters, and

a parameter generating unit, operably connected to said receiver, configured for generating said selected sequence of redundancy parameters for said automatic repeat request function in response to the receipt of said strategy information; and

a network device, operably connected to said terminal device, configured for providing a communication link to a terminal device, said network device comprising;

a selecting unit configured for selecting a sequence of redundancy parameters,

a generator, operably connected to said selecting unit, configured for generating a strategy information indicating said selected sequence, and

a transmitter, operably connected to said selecting unit, configured for transmitting said strategy information to said terminal device.

29. A terminal device for applying a redundancy strategy to an automatic repeat request function, said terminal device comprising:

a receiver configured for receiving a strategy information indicating a selected sequence of redundancy parameters; and

a parameter generating unit, operably connected to said receiver, configured for generating said selected sequence of redundancy parameters for said automatic repeat request function in response to the receipt of said strategy information

30. A network device capable of providing a communication link

to a terminal device, said network device including;

 a selecting unit configured for selecting a sequence of redundancy parameters;

 a generator, operably connected to said selecting unit, configured for generating a strategy information indicating said selected sequence; and

 a transmitter, operably connected to said selecting unit, configured for transmitting said strategy information to said terminal device.